## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| Inventor(s): Robert George Bean et |  | ean et al.  | Examiner:                                       |                                       |               |  |
|------------------------------------|--|---|---|---------------------------------------|---------------|--|
| Serial No.:                        | :  |   |   | Group Art Unit:                       | :             |  |
| Filed:                             |  | September 23, 20  | 003   | Docket No.:                           |               | STL11422   |
| Title:                             |  | Data Reliability  | Bit Storage Q                                   | ualifier And Logica                   | ıl Unit Metad | ata  |
| Mail Stop Par                      |  |   |   |                                       |               |  |
| PO Box 1450<br>Alexandria, V       | / <b>A 2231</b> 3  | 3-1450  |   |                                       |               |  |
|                                    |  | INFORMA   |   | LOSURE STATEM                         |               |  |
| Section 1.                         | Forms  | P10/5B/08A and  | U8B (substit                                    | ute for Form PTO-1                    | .449)         |  |
|                                    | Form I   | PTO/SB/08A is a   | ttached heret                                   | 0.                                    |               | •  |
| Section 2.                         | Remarks or Additional Statements   |   |   |                                       |               |  |
| $\boxtimes$                        | This Information Disclosure Statement is being filed along with a new patent application.  |   |   |                                       |               |  |
|                                    | This Information Disclosure Statement is being filed <i>within</i> three months of the filing date of the application or date of entry into the national stage of an international application or <i>before</i> the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. 1.97(b).   |   |   |                                       |               |  |
|                                    | 37 C.F.R. §1.97(c) This Information Disclosure Statement is being filed <i>after</i> three months of the filing date of this national application or the date of entry of the national Stage as set forth in Section 1.491 in an international application or after the mailing date of the first Office Action on the merits, whichever event occurred last but <i>before</i> the mailing date of either: |   |   |                                       |               |  |
|                                    | 2. a r   | inal action under<br>notice of allowanc<br>nichever occurs fi | e under secti                                   |                                       |               | ·  |
|                                    |  | C.F.R. §1.97  | (e) has been<br>quired becau                    | made; <u>or</u>                       |               | ertification under 37 · 37 C.F.R. §1.97(e) is                                |
|                                    | under  | §1.113, or a notic<br>aneously with, th                       | e of allowand<br>e payment of<br>t 37 C.F.R. §1 | ce under §1.113, wh<br>the issue fee. | ichever occur | ed <i>after</i> a final action rs first, but before, or the statements below |

|               | 37 C.F.R. §     | Each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing; or No item of information contained in the IDS was cited in a communication from a foreign patent office in the counterpart foreign application, and to my knowledge no item of information contained in the IDS was known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this IDS. |
|---------------|-----------------|--|
| Consideration | n of the listed | items is respectfully requested.   |
|               |                 | Respectfully submitted,  |
|               |                 | SEAGATE TECHNOLOGY LLC (Assignee of Entire Interest)   |
|               | 3/03            | David K. Lucente, Reg. No. 36,202  |
|               |                 | SEAGATE TECHNOLOGY LLC<br>Intellectual Property Dept COL2LGL<br>389 Disc Drive   |
|               |                 | Longmont, CO 80503-0001<br>(720) 684 - (telephone)<br>(720) 684 - 2588 (facsimile)   |

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|-------------------------------|------------------------|------------|-----------------|------------------------|--------------------|--|--|
|                               |                        |            |                 | Application Number     |                    |  |  |
| INF                           | ORMATION DIS           | SCLO:      | SURE            | Filing Date            | 09/23/2003         |  |  |
| STATEMENT BY APPLICANT        |                        |            |                 | First Named Inventor   | Robert George Bean |  |  |
| <b>O</b> .,                   |                        | VI I       | <i>57</i> (14 1 | Art Unit               |                    |  |  |
|                               | (Use as many sheets as | necessarv) |                 | Examiner Name          |                    |  |  |
| heet                          | 1                      | of         | 1               | Attorney Docket Number | STL11422           |  |  |

|                       |                          |   | U. S. PATENT                          | DOCUMENTS  |   |
|-----------------------|--------------------------|---|---------------------------------------|--|---|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number  Number-Kind Code <sup>2 (if known)</sup> | Publication Date<br>MM-DD-YYYY        | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       | AA                       | <sup>US-</sup> 4,434,487                                  | 02/28/1984                            | Rubinson et al.                                    |   |
|                       | AB                       | US- 5,774,643   | 06/30/1998                            | Lubbers et al.                                     |   |
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| FOREIGN PATENT DOCUMENTS |                          |  |                             |  |   |                |  |
|--------------------------|--------------------------|--|-----------------------------|--|---|----------------|--|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) | Publication Date MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |  |
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|                          |                          |  |                             |  |   | <u> </u>       |  |

| Examiner  | Date       |  |
|-----------|------------|--|
| Signature | Considered |  |
|           |            |  |

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.